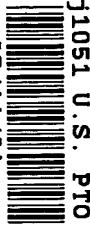


10/11/01



Please type a sign (+) inside this box

! +

PTO/SB/05 (08-00)

Approved for use through 10/31/2002. OMB 0651-0022  
 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
 Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

09/852659



## UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

### APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
*(Submit an original, and a duplicate for fee processing)*
2.  Applicant claims small entity status.  
See 37 CFR 1.27.
3.  Specification [Total Pages 393]  
*(preferred arrangement set forth below)*
  - Descriptive title of the Invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix+
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  Drawing(s) (35 U.S.C. 113) [Total Sheets 1]
5.  Unexecuted Oath or Declaration Total Pages 4
  - a.  Newly executed (original or copy)
  - b.  Copy from a prior application (37 CFR 1.63(d))  
*(for continuation/divisional with Box 17 completed)*
    - i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6.  Application Data Sheet. See 37 CFR 1.76.

Attorney Docket No.	PZ003P4
First Inventor	Ruben et al.
Title	28 Human Secreted Proteins
Express Mail Label No.	

**ADDRESS TO:** Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (*Appendix*)
8. Nucleotide and/or Amino Acid Sequence Submission  
*(if applicable, all necessary)*
  - a.  Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  paper
  - c. Statements verifying identity of above copies

### ACCOMPANYING APPLICATION PARTS

9.  Assignment Papers (cover sheet and document(s))
10.  37 CFR 3.73(b) Statement  Power of Attorney
11.  English Translation Document (*if applicable*)
12.  Information Disclosure Statement/ Form PTO/SB/08
  - Copies of Citations
13.  Preliminary Amendment
14.  Return Receipt Postcard (MPEP 503)  
*(should be specifically itemized)*
15.  Certified copy of Priority Document(s)  
*(if foreign priority is claimed)*
16.  Other:

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation  Divisional  Continuation-in-Part (CIP) of prior application No: 09/152,060 filed 9/11/1998

*Group/Art Unit:*

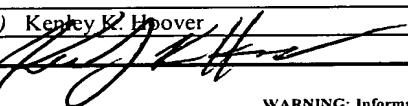
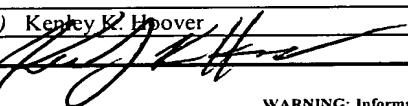
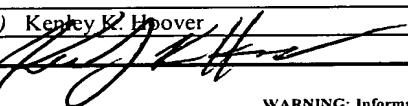
*Prior application information:* Examiner \_\_\_\_\_ For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

### 18. CORRESPONDENCE ADDRESS

Customer Number or Bar Code Label **22195** or  Correspondence address below

NAME			
ADDRESS			
CITY	STATE	ZIP CODE	
COUNTRY	TELEPHONE	FAX	
NAME (Print/Type)	Registration No. (Attorney/Agent) 40,302		
SIGNATURE	Date May 11, 2001		

Statement: this form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Box Patent Application, Washington, DC 20231.

<b>FEE TRANSMITTAL</b> for FY 2001					<i>Complete if Known</i>																																																																																																																																																																																																																																																													
<i>Patent fees are subject to annual revision.</i>																																																																																																																																																																																																																																																																		
					Application Number	Unassigned																																																																																																																																																																																																																																																												
					Filing Date	May 11, 2001																																																																																																																																																																																																																																																												
					First Named Inventor	Ruben et al.																																																																																																																																																																																																																																																												
					Examiner Name																																																																																																																																																																																																																																																													
					Group Art Unit																																																																																																																																																																																																																																																													
Total amount of payment		(\$844.00)			Attorney Docket Number	PZ003P4																																																																																																																																																																																																																																																												
<b>METHOD OF PAYMENT (CHECK ONE)</b>					<b>FEE CALCULATION (CONTINUED)</b>																																																																																																																																																																																																																																																													
<input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to: <b>Deposit Account Number</b> 08-3425 <b>Deposit Account Human Genome Sciences, Inc.</b> Name					<b>3. ADDITIONAL FEES</b> <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th colspan="2"></th> <th></th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>112</td><td>920</td><td>112</td><td>920</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840</td><td>113</td><td>1,840</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>390</td><td>216</td><td>195</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>890</td><td>217</td><td>445</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,390</td><td>218</td><td>695</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,890</td><td>228</td><td>945</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>310</td><td>219</td><td>155</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>310</td><td>220</td><td>155</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>270</td><td>221</td><td>135</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive -unavoidable</td><td></td></tr> <tr><td>141</td><td>1,240</td><td>241</td><td>620</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1,240</td><td>242</td><td>620</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>440</td><td>243</td><td>220</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>600</td><td>244</td><td>300</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>126</td><td>240</td><td>126</td><td>240</td><td>Submission of Information Disclosure Statement</td><td></td></tr> <tr><td>581</td><td>40</td><td>481</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146</td><td>710</td><td>246</td><td>355</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>149</td><td>710</td><td>249</td><td>355</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>179</td><td>710</td><td>279</td><td>355</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>169</td><td>190</td><td>169</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr> <td colspan="5">Other fee (specify): Other fee (specify):</td> <td colspan="3"></td> </tr> <tr> <td colspan="5">*Reduced by Basic Filing Fee Paid</td> <td colspan="3"></td> </tr> <tr> <td colspan="5"></td> <td colspan="3"><b>Subtotal (3)</b></td> </tr> <tr> <td colspan="5"></td> <td colspan="3">\$</td> </tr> <tr> <td colspan="2">Subtotal (2)</td> <td colspan="3">(\$844.00)</td> <td colspan="3"></td> </tr> <tr> <td colspan="5"></td> <td colspan="3"><i>Complete (if applicable)</i></td> </tr> <tr> <td colspan="5">Submitted By</td> <td colspan="3"></td> </tr> <tr> <td colspan="5">Name (Print/Type) Kenley K. Hoover</td> <td>Registration No.: 40,302</td> <td>Telephone</td> <td>301-309-8504</td> </tr> <tr> <td colspan="5">Signature: </td> <td>Date</td> <td colspan="2">May 11, 2001</td> </tr> </tbody> </table>			Large Entity	Small Entity				Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid	105	130	205	65	Surcharge - late provisional filing fee or cover sheet		127	50	227	25	Surcharge - late provisional filing fee or cover sheet		139	130	139	130	Non-English specification		147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination		112	920	112	920	Requesting publication of SIR prior to Examiner action		113	1,840	113	1,840	Requesting publication of SIR after Examiner action		115	110	215	55	Extension for reply within first month		116	390	216	195	Extension for reply within second month		117	890	217	445	Extension for reply within third month		118	1,390	218	695	Extension for reply within fourth month		128	1,890	228	945	Extension for reply within fifth month		119	310	219	155	Notice of Appeal		120	310	220	155	Filing a brief in support of an appeal		121	270	221	135	Request for oral hearing		138	1,510	138	1,510	Petition to institute a public use proceeding		140	110	240	55	Petition to revive -unavoidable		141	1,240	241	620	Petition to revive - unintentional		142	1,240	242	620	Utility issue fee (or reissue)		143	440	243	220	Design issue fee		144	600	244	300	Plant issue fee		122	130	122	130	Petitions to the Commissioner		123	50	123	50	Petitions related to provisional applications		126	240	126	240	Submission of Information Disclosure Statement		581	40	481	40	Recording each patent assignment per property (times number of properties)		146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))		149	710	249	355	For each additional invention to be examined (37 CFR 1.129(b))		179	710	279	355	Request for Continued Examination (RCE)		169	190	169	900	Request for expedited examination of a design application		Other fee (specify): Other fee (specify):								*Reduced by Basic Filing Fee Paid													<b>Subtotal (3)</b>								\$			Subtotal (2)		(\$844.00)											<i>Complete (if applicable)</i>			Submitted By								Name (Print/Type) Kenley K. Hoover					Registration No.: 40,302	Telephone	301-309-8504	Signature: 					Date	May 11, 2001	
Large Entity	Small Entity																																																																																																																																																																																																																																																																	
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																																																																																													
105	130	205	65	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																																																																																																														
127	50	227	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																																																																																																														
139	130	139	130	Non-English specification																																																																																																																																																																																																																																																														
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination																																																																																																																																																																																																																																																														
112	920	112	920	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																																																																																														
113	1,840	113	1,840	Requesting publication of SIR after Examiner action																																																																																																																																																																																																																																																														
115	110	215	55	Extension for reply within first month																																																																																																																																																																																																																																																														
116	390	216	195	Extension for reply within second month																																																																																																																																																																																																																																																														
117	890	217	445	Extension for reply within third month																																																																																																																																																																																																																																																														
118	1,390	218	695	Extension for reply within fourth month																																																																																																																																																																																																																																																														
128	1,890	228	945	Extension for reply within fifth month																																																																																																																																																																																																																																																														
119	310	219	155	Notice of Appeal																																																																																																																																																																																																																																																														
120	310	220	155	Filing a brief in support of an appeal																																																																																																																																																																																																																																																														
121	270	221	135	Request for oral hearing																																																																																																																																																																																																																																																														
138	1,510	138	1,510	Petition to institute a public use proceeding																																																																																																																																																																																																																																																														
140	110	240	55	Petition to revive -unavoidable																																																																																																																																																																																																																																																														
141	1,240	241	620	Petition to revive - unintentional																																																																																																																																																																																																																																																														
142	1,240	242	620	Utility issue fee (or reissue)																																																																																																																																																																																																																																																														
143	440	243	220	Design issue fee																																																																																																																																																																																																																																																														
144	600	244	300	Plant issue fee																																																																																																																																																																																																																																																														
122	130	122	130	Petitions to the Commissioner																																																																																																																																																																																																																																																														
123	50	123	50	Petitions related to provisional applications																																																																																																																																																																																																																																																														
126	240	126	240	Submission of Information Disclosure Statement																																																																																																																																																																																																																																																														
581	40	481	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																																																																																														
146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																																																																																																														
149	710	249	355	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																																																																																																														
179	710	279	355	Request for Continued Examination (RCE)																																																																																																																																																																																																																																																														
169	190	169	900	Request for expedited examination of a design application																																																																																																																																																																																																																																																														
Other fee (specify): Other fee (specify):																																																																																																																																																																																																																																																																		
*Reduced by Basic Filing Fee Paid																																																																																																																																																																																																																																																																		
					<b>Subtotal (3)</b>																																																																																																																																																																																																																																																													
					\$																																																																																																																																																																																																																																																													
Subtotal (2)		(\$844.00)																																																																																																																																																																																																																																																																
					<i>Complete (if applicable)</i>																																																																																																																																																																																																																																																													
Submitted By																																																																																																																																																																																																																																																																		
Name (Print/Type) Kenley K. Hoover					Registration No.: 40,302	Telephone	301-309-8504																																																																																																																																																																																																																																																											
Signature: 					Date	May 11, 2001																																																																																																																																																																																																																																																												

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.